

CBC Radio in the Market for Commentators

CBC Radio (Edmonton) and the Office of Public Affairs are on the same wavelength. The corporation needs reviewers and commentators and has asked Public Affairs to see out some "likely prospects."

Susan Freedman, Director of Radio, has talked with programmers and has come up with some specific needs that "the University of Alberta talent pool might help us fulfill." Here is her list: restaurant reviews, movie reviews, trends commentator, medicine/medical research commentator, ethics/philosophy/religion contributors for "Open House" (Sunday, 9 to 10 p.m. CBC Radio, 5 to 6 p.m. CBC Stereo), music specialist to work with CBC producer in developing on-campus talent for CBC regional programs, high tech specialist to work with CBC producer in developing a proposal for CBC High Tech consumer program.

Freedman says CBC is also interested in having University people speak on air about advances in areas that affect people's lives. And, of course, subjects that generate sound will always be regarded with a certain amount of affection.

Another objective of Freedman's is to broaden CBC's range of experts to go to for comment in reaction to events.

Faculty who would like to "break into radio" are invited to communicate with C.A. Squibb, Director, Office of Public Affairs, 423 Athabasca Hall, 432-2325, or Susan Freedman, Director of Radio, Canadian Broadcasting Corporation, P.O. Box 555, Edmonton, Alberta T5J 2P4. Telephone: 469-2321. □

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University of Alberta

FOLIO

University of Alberta

1 May 1986

Rutherford Award Recipients: Part II

Last week, Folio announced the four recipients of the Rutherford Award for Excellence in Undergraduate Teaching. Jeanette Boman (Nursing) and Henry Kreisel (University Professor in Comparative Literature) were profiled. This week, attention is turned to Jim Muldowney (Mathematics) and Norman Yates (Art and Design). The recipients will be honored at University House on 6 May at 3:30 p.m. and at spring convocation in early June.

Jim Muldowney

Nearly a decade after attending Jim Muldowney's classes, one ex-student, asked to evaluate his teacher, said, "Dr. Muldowney knows what it's like *not* to know. He can see what kinds of troubles students have with a subject (even if he himself never had these particular troubles when he was learning)." Happy faculties, indeed. Add such testimonials as "... a knack for making his material interesting and exciting ... Muldowney's lectures were always packed and his sections were quickly filled ... in one word—a master" and you understand why the Rutherford Award is being presented to Dr. Muldowney and why he earned the Faculty of Science Teaching Award last year.

Muldowney's classes are characterized by the assigning of challenging problems rather than routine problems. Another former student recalls that the only complaints he ever heard from his peers were simply frustrations over the difficulty of his (Muldowney's) notorious assignments and take-home exams. "While they were admittedly very difficult and occupied as much time as perhaps three of my other courses, I am afraid that there was really no alternative. We certainly did not want to be pampered, and the only way to absorb the more theoretical material is by doing lots of hard problems."

The marking of assignments himself is a Muldowney

trademark. He has also been known to supply a correct or simpler solution rather than just a numerical grade when a student erred on a technicality or was overly verbose. He maintains a helpful marking system that encourages students to try hard, yet allows them to learn from mistakes. The Rutherford Award winner prepares lecture notes which are intended to cut down the amount of notetaking which can occupy so much of a student's time in class and allow him to concentrate fully on what is being said.

Two more encomiums from those who learned from one of the best. "He uses diagrams to cement even the most abstract ideas in our minds. His intricate pictures helped convince me that in mathematics, a well-drawn picture can be an invaluable teaching aid." "He is excellent at explaining proofs and logic sequences so that you don't get lost in the trees. Also, he handles questions in a good-hearted way, even when they are a bit silly."

A graduate of National University of Ireland (BSc, MSc), Muldowney took his PhD at our University. His first year as a teacher of mathematics was 1968. At the undergraduate level, he has taught Engineering Calculus, Engineering Applied Math, Honours Calculus, Linear Algebra, Engineering Abstract Analysis, Graduate Differential Equations, and other subjects. Promoted to full professor in 1976, Muldowney has, in the words of Chairman Jack Macki, "taught a wide range of courses reflecting the demand for his services and the diverse service role of our department."

Norman Yates

As far as Norman Yates is concerned, every student in his class has talent.

"Anyone who takes the initial step of wanting to explore ideas about art has at least an innate

curiosity about art—and that's the initial talent that's needed," he says. "After that, it depends on the approach of the teacher. The key is to deal with each member of the course as an individual. Art can't be taught by a universal system of dealing with everybody as though they're all of the same standard."

When there are 40 students in a course, this approach is going to take longer, Professor Yates agrees, but he feels it's still the best system—although he also describes it as "the hardest way in the world to teach."

At the start of every course, he focusses on the individual by asking each person what their expectations are, and what they hope to gain from being in the course. "You get a variety of responses," he says. "Some give a very elaborate reply and others have hardly anything to say. But this seems to set the mood in the class right from the beginning, so that everyone expects to make an individual contribution. There is a group issue, of course, but each person is an individual within the group."

He establishes from the beginning a connection with each student as an individual. "That is quite hard to do," he admits, but it's important. However, seeing a person as an individual, with a particular range of talent and a particular need, "doesn't eliminate the notion of offering a similar problem to each individual. But I frame the problems with the expectation of purely individual responses."

Yates's approach places extraordinary demands on the teacher. But he sees a relationship between stress and reward. "One seems to balance the other," he says. "and the reward comes when you see what has happened to each person, when you see the individual development and growth by the end of the course."

Colleagues observe that students

Continued on page two

1 May 1986

J. Kmenta: Distinguished Visitor in Economics

With the support of the Endowment Fund for the Future, the Department of Economics has been able to obtain Jan Kmenta of the University of Michigan (Ann Arbor) as a Distinguished Visitor for the two-week period 11 through 23 May. Professor Kmenta will be giving lectures, seminars and advice in the field of econometrics, a sub-discipline of economics that concerns itself with the formulation, statistical estimation and evaluation of economic models.

While the purely numerical aspects of economics pre-date Adam Smith, the systematic application of classical statistical methods to economic modelling has taken place only in the last 50 years. Since he took his PhD at Stanford in the early 1960s, Professor Kmenta has been a major contributor to the development of econometrics. His work has dealt with important problems in both the theory and applications of econometrics covering such diverse topics as estimation of production functions, seemingly unrelated regressions, algorithms for maximum likelihood estimation and criteria for the

evaluation of macro-econometric models. These contributions were acknowledged in 1980 when he was elected a Fellow of the Econometric Society which is the premier international organization in this field and whose fellowships are considered the ultimate accolade. Other honors that have been bestowed on Professor Kmenta include a Fellowship in the American Statistical Association, a Humboldt Foundation Award and a Fulbright Exchange Scholarship. The breadth and depth of his knowledge has led to editorial positions on four journals, including associate editorships of the *Journal of the American Statistical Association* and the *Review of Economics and Statistics*.

Although econometrics is well established as a separate field that is included in most undergraduate programs, there has been a recurring debate as to whether the advances in formal technique have been matched by a corresponding improvement in the predictive power of econometrics models. In a public lecture titled "Econometrics: A Failed Science?" Professor

Kmenta will address the question of whether econometrics has fulfilled its promise as a vehicle for understanding the behavior of economic structures. The lecture will be held at 3 p.m. in Humanities Lecture Theatre 2 on Tuesday, 13 May.

Professor Kmenta is also the author of one of the most widely cited and used textbooks of econometrics. He has just completed

an extensive revision of this text and in the preparation of this revision he has been re-assessing the technical advances that have been made in the last decade. This critical assessment of recent research will be the basis of a seminar series titled "Recent Development in Econometrics." These seminars will be given in 8-22 H.M. Tory Building at 3 p.m. on 15, 20 and 22 May. □

Delivering the Goods Safely

A training course has been arranged for on-campus employees who transport dangerous goods. The course, to be held 10 to 12 June, is designed to meet the training requirements of the Transportation

of Dangerous Goods Control Act and regulations.

Further information can be obtained from Alan Knowles, 432-3585, before 13 May. Enrolment is limited to 26 people. □

Continued from page one

leave Yates's courses with a sense that they have learned, that they have increased their understanding of the discipline, that they have gained confidence and developed in their own personal way—and that there is a long way to go, and it is worth going. Students confirm this. "Norman Yates does not expect students to paint the way he does . . . He has a real sensitivity to each student's particular direction and encourages it . . . Criticism is constructive . . . He has increased my confidence and given me a sound base to found my studies upon," are some of the comments on recent student evaluations.

Norman Yates has served the Department of Art and Design for 30 years—longer than any other instructor in studio disciplines. He came to our University in 1954 as a young artist with a first class honours diploma from the Ontario College of Art, to take up an appointment as a leave replacement in the Faculty of Education. He next joined the then Department of Fine Arts (again as a leave replacement), and in 1956 became a member of the department which at that time had only five full-time teaching staff.

Yates is a master at balance: balance between teaching and freedom, balance between basic instruction and the individual exploration that leads students to produce at their very best level. As one student put it, "There is a great amount of freedom in the course, but at the same time one does not feel lost or misguided."

But if students are motivated

and encouraged, it's not without an accurate perception of their own weaknesses. To quote his colleague and department chairman, "In a discipline such as painting, and particularly at the highest level, where the person identifies tremendously with their work and is very sensitive to criticism—but at the same time is desperate to learn, Professor Yates has managed to obtain students' performance that would be the pride of any department in North America."

Yates's contribution to teaching has not been limited to the classroom or to the usual winter offerings. He has taught evening courses and special sessions and most recently was appraiser for the Art Department of the University of Toronto (1981) and of Alberta College of Art (1983). He also helped set up the graduate program at the University of Calgary. He has been a major force in the development of Art and Design's own graduate program (the oldest in the country), and is its almost permanent coordinator. He has sat on many administrative committees throughout the years. At the same time, he has had an intense artistic career as a painter. Since 1950, his paintings have been shown in 33 solo exhibitions and 63 group exhibitions. His works are in a number of permanent collections, including the National Gallery of Canada, and he has received a variety of scholarships and awards, most recently a McCalla Professorship (1985-86).

A special project that will occupy much of Yates's time over the next year will be the creation of a mural to brighten Education North's blank wall. □

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Office of Public Affairs
423 Athabasca Hall
University of Alberta
Edmonton, Alberta T6G 2E8
(403) 432-2325.

All enquiries and
correspondence should be
directed to:
Ron Thomas
Editor

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Training Nurses For the North: Which Nurses? What Program?

The nurses who acquired additional clinical skills best and retained them most after taking a specific upgrading course were those with a BScN, says a recently completed study of nurses working in the

However, when these nurses returned to practice in northern nursing stations and found themselves paired with lesser-trained partners, new skills began to deteriorate, and by the end of six months had declined sharply.

This was learned when a study was undertaken (under the direction of Clarke Hazlett, Chairman of Health Services Administration and Community Medicine at our University) to find out whether the graduates of a Clinical Training Program for northern nurses received any long-lasting benefits from the course.

The Clinical Training Program was specifically designed for nurses in small, isolated communities who have to make even the most serious decisions on patient care without consulting a resident doctor. (Although doctors visit nursing stations "regularly", these visits may be as infrequent as once a month, and between visits the only means of contact is by telephone.) Nurses needed additional training in

clinical skills to handle their responsibilities successfully. And this need was met when, with the support of federal funding, the Clinical Training Program was set up in 1970, to provide extra training in specific clinical competencies. The four-month course was originally offered at several universities, and both BScN and RN nurses were eligible to take it. However, only a small number of educational slots were available each year; and, at a total cost of about \$10,000 a student, the course was expensive. Cutbacks in federal expenditure successively reduced the number of universities offering the program, and the last program was given at the University of Alberta in 1985.

Evaluation of the program was a lengthy process. Two questions particularly needed to be answered.

Were nurses who graduated from the program demonstrably more competent than those who hadn't taken it? Was the program worth the expense? Hazlett's study has some interesting findings that may well have implications for nurses' training in general.

Nurses who trained in the CTP did, indeed, acquire a great deal during the course; but after returning to practice in the north, newly-learned skills began to deteriorate. By the time six months had passed, skills had distinctly declined—although some benefit from the course was still retained. Furthermore, when a CTP-trained nurse was paired in a nursing station with a lesser-skilled nurse, this tactic did not succeed in raising the skills of the less trained person. Instead, lacking the stimulation of working with an equal, skills of the CTP nurse declined to meet her partner's level. It was only when two comparably well-trained nurses worked together that they were able to maintain their skill levels.

The best nurses, in fact, were clearly those with a BScN who had also taken the CTP training. Not only did these baccalaureate nurses benefit most from the CTP program, but they retained their new competencies to a greater degree than nurses with other types of training.

As a result of these findings, recommendations have now been made some of which have implications for the BScN curriculum.

It is noted, for instance, that the high standard of performance attained by BScN nurses with CTP training justifies the formal recognition of the CTP curriculum by university regulatory bodies. The suggestion is that, to incorporate the CTP curriculum, an honors year—or summer practicums—be added to the BScN program; and, as clinical skills were acquired best when taught jointly by medical and nursing faculty, both the nursing and medical professions should be involved in teaching the program.

Since there is clearly a need in isolated, underpopulated northern communities for nurses with this type of training, at least one, or possibly two, universities should formally approve, appropriately fund and incorporate as part of their on-going mission, the education and training of CTP nurses.

A valuable spin-off from the study was the production, in 1977, of a teaching manual by Hazlett and his team of Canadian health professionals in medicine and

nursing. *Primary Care Nursing: a manual of clinical skills* is a curriculum of the 10,000 specific skills—ranging from obstetrical care to caries treatment, to pediatrics, to internal medicine—most needed in northern nursing stations and other isolated areas. The book has also found its way into the American nurse practitioner programs, and to Australia, where it is used by nurses in the Outback.

One hundred and fifty health professionals—including internists, pediatricians, dentists, physiotherapists, family practitioners and nurses—from

universities across Canada spent more than five years working together to decide, define and precisely describe each skill required. Those finally agreed on were then reviewed in a series of workshops composed of nursing and medical representatives from each university, before being incorporated into the manual. This curriculum formed the basis on which CTP nurses' competence was judged.* □

* This article originally appeared in Research Report (January/February 1986).



Setting the Stage

This behind-the-scenes work at Ring House Gallery preceded today's opening of the first of many events planned to celebrate the Boreal Institute for Northern Studies' 25th Anniversary. "Chisel and Brush", an exhibit of stencils and stonecuts by Inuit artists, features examples of the two methods of printmaking, along with displays of equipment and explanations of the techniques. The collection offers an opportunity to study variations in these techniques as they are applied in several northern printshops. Prints from Cape Dorset, Holman Island, Baker Lake, Pangnirtung and Povungnituk are displayed. The exhibit, which can be viewed until 25 May, was organized by the Department of Indian Affairs and Northern Development. It is at our University courtesy of the Boreal Institute and Ring House Gallery.

Walk This Way

Effective 28 April, the Stadium Park Walkway is open as follows: 6 a.m. to 10 p.m. weekdays; 7 a.m. to 6 p.m. Saturdays. The walkway is closed Sundays and holidays. □

Ainu Lecturer to Introduce Aboriginal Culture of Japan

An Ainu Anthropologist, Mr. Kayano, and a group of Ainu children from Hokkaido, Japan, will soon visit campus to share their cultural heritage with Canadian students.

The Ainu are aborigines from northern Japan. They have distinct physical features, speak their own language, and follow their own customs and beliefs. Since 1868, a process of assimilation into the Japanese culture has been going on, with the result that Ainu culture and language are likely to vanish.

Although there are now few full-blooded Ainu, the Ainu themselves are making a continuing effort to preserve and revitalize their culture and language.

Mr. Kayano, a leading figure in this movement, has devoted his life to collecting and preserving cultural materials as well as publishing books on the Ainu culture and language.

On his first trip to Canada, Mr. Kayano was impressed with our multicultural society in which different ethnic groups live together, sharing their cultural heritage, and he wanted to bring Ainu children, "to see Canada and learn how people with different ethnicities live together." Now he is bringing 14 Ainu children, aged 11 to 16, to Edmonton on 3 May. After sightseeing in Edmonton, they will visit the Sucker Creek Reserve in Grouard.

On 6 May, at 8 p.m., in L-1 Humanities Centre, Mr. Kayano will speak on "The Ainu: Their Past and Present." The children will give a presentation of dances, songs and games. The lecture and performance

are open to the general public, who are warmly invited to attend.* □

* This article was adapted from a story contributed by Masami Iwasaki, a graduate student in Anthropology.

Institute of Law Research and Reform Appoints New Director

W.H. Hurlburt, Q.C., has retired as Director of the Institute as from 1 April 1986. The Board of the Institute, and the University, have confirmed the appointment of R.G. Hammond as his successor. Professor Hammond was for some years a senior litigation partner in a prominent New Zealand law firm. He subsequently taught at the University of Illinois and Dalhousie University (where he was also Director of Graduate Studies).

Professor Hammond is the author of two dozen published works. His most recent works have been published by the *Oxford Journal of Legal Studies*, the University of

California, the *Law Quarterly Review* and the *Canadian Bar Review*.

Professor Hammond has been the recipient of numerous academic and professional awards, including the New Zealand Law Society Centennial Award for outstanding service to the legal profession and law reform in that country.

Mr. Hurlburt will continue to be associated with the Institute in a part-time position. His book on the work of Law Commissions in Canada, the United Kingdom and Australia (which was undertaken on his last study leave) has recently gone to press. □

Alzheimer's Disease Topic of Symposium

Research issues related to Alzheimer's Disease will be the focus of a one-day symposium, Thursday, 8 May, 9 a.m. to 5 p.m. The symposium is sponsored by the Centre for Gerontology; all sessions will take place in 2-117 Clinical Sciences Building.

Speakers from Edmonton and Calgary will address topics such as clinical research on Alzheimer's Disease; support of dementia patients and their caregivers; issues in neurophysiological research; morale in institutional caregivers; and special units for Alzheimer's patients in extended care centres.

Featured speakers include Irma

Parhad, Director, Dementia Research Clinic, University of Calgary; Arthur Clark, Director, University of Calgary Brain Bank; Sharon Warren, Director, Education and Research, Grandview Extended Care Centre; Norah Keating, Director, Centre for Gerontology; and Brendan Rule, Professor of Psychology, University of Alberta.

Registration costs \$15 (\$10 for students). Interested persons should get in touch with the Centre for Gerontology, B-03 Cameron Library. The likelihood exists that registrations will also be taken at the door from 8 to 9 a.m. □

Chemists Win Awards

Paul Kebarle and John Vederas, both of Chemistry, have won awards recently for their contributions to science.

Dr. Kebarle is recipient of the Chemical Institute of Canada Medal for 1986, sponsored by Inco Ltd., for his outstanding contribution to the science of chemistry, in particular for his pioneering work in high pressure mass spectrometry. The value of his research now extends into other areas of chemistry, aeronomy, and astrophysics, and his contributions as a physical chemist are fundamental and likely to be long-lasting.

The prize for Dr. Vederas is the 1986 Merck, Sharp and Dohme Award, and is a \$1,500 honorarium and a scroll. This award is presented

to an under-40 scientist for distinguished contributions to organic chemistry or biochemistry.

Dr. Vederas is working on cyclosporin A (which suppresses the immune response in mammals) and on mevinolin and compactin (which lower the plasma cholesterol levels in mammals). He is also working on certain bacterial enzymes which have potential as new broad-spectrum antibiotics.

Drs. Kebarle and Vederas will receive their awards at the 69th Canadian Chemical Conference of the Chemical Institute of Canada in Saskatoon, 1 to 4 June.

The Medal Lecture will be delivered by Dr. Kebarle. Dr. Vederas will deliver the Award Lecture. □



Activities

Keith Denford is President-Elect of the Canadian Botanical Association beginning July 1986. He will assume the presidency of the 22-year-old organization in July 1987 . . . Julie Cormack, Pam Willoughby and Franke Kense (Anthropology) participated in a conference honoring J. Desmond Clark in Berkeley, California. Dr. Willoughby gave a paper on "The Distribution and Function of Spheroids and Battered Stones" . . . University of Alberta alumni groups in Victoria, Vancouver and Toronto recently heard from Myer Horowitz in person. The President also gave the keynote address at a workshop (16 April) and the luncheon address at the Spring Convention (18 April), both sponsored by the Quebec Association of School Administrators . . . Educational Psychology's David Baine recently published the textbooks *Memory and Instruction* and *Selected Topics in Special Education* . . . H.R. Hutchings, President and CEO of Chembiomed Ltd., has been elected Director of the Association of Biotechnology Companies for 1986. ABC is an international trade association composed of more than 125 member firms located in eight countries . . . Christine Davies and Leonard J. Pollack, Q.C., travelled to Saskatoon (4 April) and Regina (5 April) to lecture to the Saskatchewan Bar on the new Divorce Act.



Happy to share their good fortune with the children are the members of the Marketing Group (background), Housing and Food Services.

Harden Judged Teacher Par Excellence

Boyd Harnden has been honored with the 1986 J. Douglas Muir Award for distinguished teaching in the Faculty of Business. The award is given annually; the recipient consistently gives a superior performance in the classroom and has full command of the subject matter as well as a concern for students and an interest in developing new courses and improving content and organization of existing courses. A willingness to help colleagues

improve their courses and methods of teaching is also looked upon favorably.

The award was created in honor of Dr. Muir, Dean-Elect of the Faculty at the time of his death in 1976.

Professor Harnden (Organizational Analysis) is the sixth recipient of the award, the others being Brian Williams, Chris Janssen, Terry Daniel, Colin Hoskins and John Waterhouse. □

Library, CITL Running Do-it-Yourself Searching Workshop

The Library, in conjunction with the Committee for the Improvement of Teaching and Learning (CITL), is reoffering its Introduction to Do-it-Yourself Searching Workshop. The workshop is introductory and multidisciplinary and offers a lecture (5 May, 1 to 3 p.m.) and lab (select one—6 May, 7 to 9 p.m.; 7 May, 7 to 9 p.m.; or 8 May, 7 to 9 p.m.).

The lecture introduces the services currently available, how researchers gain access to them, and the mechanics of formulating and executing searches. Participants are invited to bring research problems to the lecture session.

Further information may be obtained from Bente Roed Cochran, Coordinator, CITL, 432-2826. Registration is limited to 30. □

Ethiopian to Speak on African Food Crisis

"The African Food Crisis: an African Perspective" is the topic of a public meeting to be held Wednesday, 7 May, in 109 Business Building, 7:30 to 9:30 p.m.

The speaker will be Katema Yifru, special adviser on Africa to the executive director of the World Program.

For more than 10 years Mr. Yifru was minister of foreign affairs in Ethiopia. He played a critical role in the settlement of international

conflicts such as the Southern Sudan question, the Nigerian civil war, the Congo crisis, and the Algeria-Morocco conflict of 1963. He was instrumental in the formation of the Organisation for African Unity.

The meeting is sponsored by the International Student Centre in cooperation with the Non-Governmental Liaison Service of the United Nations. For more information, call 432-5950. □

A Gift of Music

The Marketing Group of Food Services, Department of Housing and Food Services, recently was awarded a Sony Watchman for winning a National Coke Promotion Contest.

Instead of claiming their prize, the group decided to trade it in for three portable cassette players plus tapes which were later donated to

the Students' Union and Community Day Care Centre. Members of the Marketing Group include Ken Toong (Chairman), Eric Morison, Darren Turik, Adrian Ward, John Malyk and Jerry Daley.

The presentation of the Sony cassette players was held at the Day Care Centre in HUB Mall amidst 30 appreciative youngsters. □

Letters

University Standards

Jeffrey Osborn, in another of his thought-provoking essays, presents a compelling case for the decline of university standards (*Folio*, 17 April 1986). He indeed reaches "the heart of the matter" in suggesting that degrees used to train people for a job tend to attract students interested in practicing a job rather than those more interested in the intellectual challenge of investigation and understanding. I cannot agree more. Not only are vocationally-oriented programs proliferating in universities, but even some of the more traditionally academic programs appear to be placing undue emphasis on training for jobs. All of us within the University community would do well to reflect upon Dr. Osborn's message.

Nevertheless I take issue with Dr. Osborn's statement: "The more disciplines that have been studied, the more inferior is the standard of the degree." I would argue that neither extreme, a smattering in many disciplines or complete concentration on one, leads to a high degree of "culture". Recently, however, the greater danger appears to be untoward emphasis on specialization. Programs tend to emphasize only courses within a discipline and others with direct relevance to that discipline. I see little evidence, for example, of students in Arts departments being encouraged to gain some understanding of the basis for biotechnological advances, or to learn the ecological principles necessary for understanding problems of environmental degradation and conservation. Nor are students in Science encouraged to gain exposure to philosophy, to history, or to political science. To be truly educated (in the traditional sense of a university education) and to be prepared to cope with issues in modern society, some breadth of knowledge seems essential. Just as universities should not simply train people for jobs, they should not educate only narrow specialists.

Along with Dr. Osborn, I too "mourn the days that are past", when most came to university seeking knowledge of the world. I am refreshed by contact with those students who still have that motivation, but I'm afraid they receive precious little encouragement in contemporary academia. Let us not permit a tyranny of specialization and applied relevance to overwhelm the remaining shreds of the idealism upon which universities originally thrived.

Jan O. Murie

Department of Zoology

Arts Building

With reference to the lead article of your 3 April issue, "Logistics of Decanting of Arts Building . . .", was your author suggesting that the place is full of cant?

C. Park

R.S. McLaughlin Centre

Katz Award Bestowed Upon Don Robinson

Donald Katz, University of Michigan, was one of the world's leaders in natural gas, in gas processing technology and the educator of many of the industry's technological leaders. The Donald L. Katz Award, established last year, recognizes outstanding accomplishments in gas processing technology and excellence in engineering education. The recipient for 1986 is Don Robinson, Professor Emeritus of Chemical Engineering.

Bob Galloway, President of the Gas Processors Association (GPA), recently described the award as "acknowledgement of the industry's considerable debt to the university community in general, and to a great university in particular."

Mr. Galloway was speaking on the occasion of the presentation of the award to Professor Robinson, one of Dr. Katz's doctoral students. Dr. Robinson came to our University in 1949 and was a highly competent instructor. He later served as Head of the Department of Chemical and Petroleum Engineering.

The second recipient of the Katz Award was regarded throughout his professional career as "an industry leader in research and development of oil and gas behavior at reservoir conditions and the design of specialized equipment for hydrocarbon processing."

Dr. Robinson has conducted some 16 research projects for GPA and is co-developer of one of the industry's most widely used computer programs for prediction of hydrocarbon phase behavior, critical properties, hydrate formation and other properties of complex multicomponent systems. □

Talks

Rehabilitation Medicine

1 May, 10 a.m. Roberta Trieschmann, Editorial Board of Archives of Physical Medicine and Rehabilitation and President of RBT Associates Inc., "The Impact of Aging on Those With Physical Disability." 203 Corbett Hall.

Writing Competence Petitions

Notice to students who have not met the University's writing competence requirements and whose deadline for meeting those requirements is April 30, May 1, July 1 or September 1, 1986: If you plan to enrol in Summer session 1986 or in Fall session 1986 and you have not yet passed the writing competence test, you may petition the GFC Writing Competence Petition Committee for permission to continue your registration. **The petition must be made in time to continue your registration in the term immediately following your deadline.**

If you wish to petition in order to enrol in Summer session, you **must** petition by May 5, 1986. If you wish to petition in order to enrol in the Fall 1986 session, you **must** petition by May 5 or August 1.*

Students who do not petition at the stated times will only be permitted to register by passing the writing competence test. **Registrations of students who do not successfully petition or pass the writing competence test will be cancelled prior to the start of classes.**

Advice on preparing and submitting petitions can be sought from the Student Ombudsmen, Room 272 Students' Union Building, or the Student Advisors in the Office of the Dean of Student Services, Room 300 Athabasca Hall. The regulations and procedures used by the GFC Writing Competence Petition Committee are available in either of these offices.

*Students granted a hearing by the GFC Writing Competence Petition Committee will have their cases heard either May 20 to 23, 1986 or August 11 to 15, 1986.

Medicine

2 May, 8 a.m. Allan Jacobs, University of Wales, Cardiff, 1986 Gadeski Visiting Professor, "Sideroblastic Anaemia . . . the Minimal Malignancy." 2-115 Clinical Sciences Building.
3 May, 8 a.m. N. Walz and Dr. Mador, "New Techniques in the Management of Stone Diseases." 5H202 Mackenzie Health Sciences Centre.

Anatomy

2 May, noon. D.L. Brown, Chairman of the Executive Committee of the Fourth International Conference of Cell Biology, "Reorganization of the Lymphocyte Cytoskeleton During Mitogenic Stimulation." 6-28 Medical Sciences Building.

Electrical Engineering

9 May, 2 p.m. G. Zimmer, Fraunhofer Institute, Duisburg, West Germany, "Chip Fabrication Technology." 436 Electrical Engineering Building.

Medical Microbiology and Infectious Diseases

12 May, 4 p.m. Widad Al-Nakib, MRC Clinical Research Centre, Harrow, Middlesex, England, "The Application of cDNA Probes and Elisa Systems in the Study of Human Rhinovirus Infections." Classroom D, Mackenzie Health Sciences Centre.
13 May, 4 p.m. Dr. Al-Nakib, "Antirhinovirus Compounds: Recent Progress." Classroom D, Mackenzie Health Sciences Centre.

Economics

13 May, 3 p.m. Jan Kmenta, University of Michigan, "Econometrics: A Failed Science?" L-2 Humanities Centre.
15 May, 3 p.m. Dr. Kmenta, "Recent Developments in Econometrics I." 8-22 Tory Building.
20 May, 3 p.m. Dr. Kmenta, "Recent Developments in Econometrics II." 8-22 Tory Building.
22 May, 3 p.m. Dr. Kmenta, "Recent Developments in Econometrics III." 8-22 Tory Building.

The Arts

Théâtre Français d'Edmonton

Until 4 May. "Albertine, En Cinq Temps." Ana Power, 469-0829. Rice Theatre, Citadel.

Ring House Gallery

Until 25 May. "Chisel and Brush"—an exhibit of stonecut and stencil prints created by Inuit artists. Co-sponsored by the Boreal Institute for Northern Studies in celebration of its 25th Anniversary.

Music

3 May, 8 p.m. Corinne Cherry, piano—candidate for MMus degree in Applied Music (Keyboard). Convocation Hall.

Edmonton Film Society

5 May, 8 p.m. Great British Classics—"The Titfield Thunderbolt" (1953).
12 May, 8 p.m. "49th Parallel" (1941).

Broadcasts Radio

CKUA radio 580 AM and 94.9 FM.
3 May, 7 p.m. "University Concert Hall."
10 May, 7 p.m. "University Concert Hall."

Positions

The University of Alberta is committed to the principle of equal opportunity in employment and encourages applications from all qualified people.

In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Non-Academic

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. These vacancies cannot be guaranteed beyond the date of publication.

Clerk Steno III, Botany, (\$1,190-\$1,478)
Clerk Steno II (Receptionist), Legal Resource Centre, (\$1,190-\$1,478)
Clerk Typist III (Receptionist), Personnel Services and Staff Relations, (\$1,326-\$1,666)
Clerk Typist III, Physical Plant, (\$1,326-\$1,666)
Clerk Typist III, Physical Therapy (\$1,326-\$1,666)
Clerk Steno III, Sociology, (\$1,326-\$1,666)
Clerk Steno III, Student Counselling Services, (\$1,326-\$1,666)
Clerk Steno III, Office of the Comptroller, (\$1,326-\$1,666)
Secretary, Alumni Affairs, (\$1,478-\$1,888)
Student Records Processing Clerk II, Dean of Science, (\$1,478-\$1,888)
Student Records Processing Clerk II, Library Science, (\$1,478-\$1,888)
Systems Control Clerk II, Personnel Services and Staff Relations, (\$1,478-\$1,888)
Accounts Clerk, Personnel Services and Staff Relations, (\$1,478-\$1,888)
Departmental/Executive Secretary (Trust), Muttart Diabetes Research and Training Centre, (\$1,666-\$2,144)
Technologist I (Part-Time Recurring), Zoology, (\$1,340-\$1,730)
Electronics Technician II, Computing Science, (\$1,810-\$2,237)
Biochemistry Technologist I (Trust), McEachern Laboratory, (\$1,888-\$2,437)
Applications Analyst, Office of the Comptroller, (\$1,888-\$2,437)

For vacant Library positions, please contact the Library Personnel Office, Basement, Cameron Library, 432-3339.

Surplus Equipment

The equipment appearing in this column is available only to University departments with University-administered funds. For more information, telephone Jody Brookwell or Roy Bennett, 432-3208.

For Sale: Rutis Hauser 901 Sheet Feeder for DecMate Word Processor. Offers. Sharon Schultz, Student Awards Office, 432-3221.

Advertisements

Accommodations available

Rent - House, 8932 116 St. Family only. \$750. Call evenings, 439-4207.
Sale - Condos. One, two bedrooms, central location. Good mortgage. Vendor anxious. Resi Richter, LePage 483-9432.
Sale - Laurier. Executive bungalow. 1,900'. Fully fireplaces, quiet location. \$159,900. Resi Richter, LePage, 483-9432.
Sale - Contemporary bungalow. 2,250'. Valleyview, completely renovated,

gourmet kitchen, family room, jacuzzi, rumpus, games room, pool. Resi Richter, LePage, 483-9432.

Sale - Glenora. Renovated, upgraded. Split. New kitchen, new bathroom, Park-like garden. \$98,500. Resi Richter, LePage, 483-9432.

Sale - Valleyview. Large bungalow, like new, fully developed, upgraded, three bedrooms, gourmet kitchen, crescent location. Resi Richter, 483-9432. LePage.

Sale - Exclusive, best buy, Valleyview. Two-storey, four-bedroom, family room (main), developed basement, formal dining room. Resi Richter, 483-9432. LePage.

For rent - Large, furnished Garneau house. 432-7845.

Sale - Log cottage with guesthouse, well, fireplace, furnace. Seba Beach. \$50,000 by owner. 432-9190.

Sale - Renovated three-bedroom semi, minutes from campus. New furnace, 220, insulation, flooring. Asking \$74,900. Finance: \$64,000, 10% to September 1986. Robert Krully, LePage's, 437-7480.

Rent - July 1986-June 1987. Three bedrooms, garage, fenced, furnished. \$590/month. (403) 465-3740. 9011 92 St.

Rent - Belgravia. Large, furnished three bedroom. 1 July. Long let preferred. 432-2942, 435-6876.

Sale - Parkallen homes. Excellent family four-bedroom home, developed basement. \$81,900. Quiet location, 1,243', den, patio doors, deck, spacious kitchen. \$72,900. Ask for Joyce Byrne, 435-6064, 436-5250. Spencer's.

Sale - Lendrum. Ideal starter, three-bedroom bungalow. Quiet location, good lot, double garage. \$85,000. Ask for Joyce Byrne, 435-6064, 436-5250. Spencer's.

Sale - Restored four-bedroom home. University area. Hardwood floors, original woodwork. Price reduced. Call Pat von Borstel, 437-6540, 436-5250. Spencer's.

Sale - Grandview Heights. Five bedrooms, two-storeys, family room, fireplace, upgraded kitchen and bathrooms. Park-like surroundings. Early possession, \$149,500. Evan Potter, 428-1699, Pager 450-6553. Potter Realty.

Rent - Elegant four-bedroom furnished home, very near University, available July, August. Non-smokers. \$1,000/month plus utilities. (403) 433-8322.

Sale - Windsor Park, 1,460 sq. ft., well-maintained home. Double garage. Large enjoyable yard. For details, call Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - 160 acres. \$25,900. Enjoy the outdoors, close to good fishing. Offers? Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - City one-acre lots for your dream home. \$49,000 up. Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - Lakefront—Wabamun—north shore. 100' lake frontage. Split log cabin. Quiet location. Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - Bungalow—close to University. Extremely well-built, and maintained. Immaculate. Double garage. Adaptable for revenue suite if desired. Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - Open house—6304 132 Street. Sunday, 4 May, 2-4 p.m. Custom-built elegant home. Bright family kitchen. Main floor family room. Must see interior. Call Chris Tenove, 433-5664, 436-5250. Spencer's.

Expo accommodations available. New home. \$40 per couple. Children \$5. Phone (604) 463-4128.

Sale - Condo, one bedroom, five appliances, fireplace, loft. Hampton Village. 469-5241 after 5 p.m.

Sale - University area, five bedrooms, two bathrooms, storey and half, 1,600 square feet. New double garage. Phone 436-0431.

House for rent - Three bedrooms, \$450 for two people, \$550 for three. Available 1 June-31 December 1986. Pleasant, well-furnished, convenient to University (bus routes 9, 40, 42). 436-5222.

Accommodations wanted

Assistant Professor, family, arriving 1 July, wish to rent sabbatical home. Contact Reg Norby, 432-4225.

Professional couple with family wish to rent a four-bedroom executive house. West end or southwest. Phone (306) 789-1364 Regina.

Incoming U of A professor and family seeking four-bedroom home to rent in Windsor Park for one year, starting mid-August. Call collect: (617) 449-0284.

Automobiles and others

1982 Dodge window van, VG condition, AC, cruise, trailer package. \$2,582. 437-1391.

Automobile - air conditioning, spring check-up. With Freon re-charge, \$24.95. Call 484-2644 after 4:30 p.m.

Goods for sale

Cash paid for used appliances, 432-0272.

Services

Donnic Word Processing. Specializing in theses, manuscripts, etc. 8315A 105 St. 432-1419.

Backaches? Stress tension? Special therapy at Back-Basics (supplementary health care reimburses treatment costs). Maria Krieg is a spine specialist, university-trained in Düsseldorf. 11610 75 Avenue. 436-8059.

Professional typing. We do "rush stuff." 461-1698.

Professional typist - Word processing. Specializing in theses and dissertations. Gwen, 467-9064.

Fast Lane word processing, 432-7845.

Typing services, French or English. 459-0234.

Journeyman carpenter. Renovations, concrete, garages, skylights, lino, rugs, drywall taping, painting, finishing, sun decks, landscaping, plumbing, electrical. References. David Richards, 437-0794.

Professional seamstress and tailors. Made to order garments. General alterations. 469-6292, consultant Phil.

Experienced architect. Will do renovation/new home designs. Call 973-3198 (local).

Sailing adventure - 55 ft. Ketch for skipper charter, B.C. coast. Sleeps 4-6. Choice of cuisine. Good rates. Brochures. Contact: James Stevenson, 2300 Canoe Cove Road, RR3, Sidney, B.C. V8L 2X9. (604) 656-9249.

MBA student will type your thesis on University MTS. \$10/hour plus computing costs. 469-4784.

Word processing, typing. Competitive rates, pick-up/deliver. Call Chris, 438-5550, 9-3:30. 481-4945 Sundays/evenings.

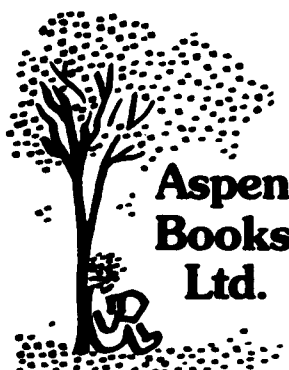
Word Processing: Thesis, dissertations, books, reports, papers. French bilingual. Reliable professional service. Lois McMahon, 464-2351.

Word processing. Ten years' experience. Medical/scientific word processing. Quality work. Excellent University references. Proofreading services offered to self-typists. Campus pick up and delivery. Susan, 469-3570.

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An Invitation . . .

You are invited to meet

Raymond Grant

author of

THE LAUGHTER OF LOVE
A STUDY OF
ROBERT BURNS

Wednesday, May 7
1986

7:00 - 9:00 p.m.

Refreshments will be served

10624
Whyte Avenue
Edmonton
433-7352
or
433-4949

ARTS INSTRUCTORS

The Edmonton Parks and Recreation Department is compiling a computer-based Instructor Registry of people available to teach children and adult programs in the visual and performing arts. Basic information including name, phone number, specialty, and location preference will be available to community groups needing instructors for arts programming. To have your name included in this registry phone 428-2827 to obtain a registration form.



PARKS AND
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This Time — Make It Happen!

on May 8 Vote

GORDON WRIGHT

New Democrat
Edmonton - Strathcona

**The New
Democrats**

Personnel Services and Staff Relations

Training and Development

Course	Date	Place	Time
Stress Management "Hey Relax"	May 16	Lister Hall	8:30-4:00
		VIP Room	
	June 9	VIP Room	8:30-4:00
	July 11	VIP Room	8:30-4:00

- how to identify the stress factors in your life
- techniques, practices and attitudes to overcome stress

The Following Courses are for Secretarial/Clerical Staff Only

Interpersonal Effectiveness	Date	Place	Time
	July 8-9	Lister Hall	8:30-4:00
		VIP Room	

- the basics of interaction: perception; listening and non-verbal communication
- image and self-projection: appearance; delivery; telephone communication
- teamwork: flexible relating styles; gaining cooperation
- handling people pressures: communication with your boss; resolving conflict

The Effective Office Worker	Date	Place	Time
	Aug. 7-8	Lister Hall	8:30-4:00
		VIP Room	

- understanding your work environment
- differences in perspectives between managers and employees
- coping with office politics
- the right attitude: expectations that influence job satisfaction
- achieving recognition
- working for more than one boss
- discovering what motivates you

Managerial Skills for Senior Secretaries and Administrative Assistants	Date	Place	Time
	Aug. 14-15	Lister Hall	8:30-4:00
		VIP Room	

- the management perspective
- informal strategies for getting things done
- the administrative support role
- organizing yourself
- organizing the executive
- being a multi-executive assistant
- directing subordinates
- working with boards and committees
- managing your career

Courses Available to University of Alberta Staff Only.
Free Enrolment — Call 4660

Training & Development Programs
Personnel Services & Staff Relations
University of Alberta